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# Enterprise Java Development on a Budget

Leveraging Java Open Source Technologies

*Learn to leverage JBoss, Struts, Ant, XDoclet, Middlegen, ArgoUML, OJB, Hibernate, SWT/JFace, and other Open Source Java technologies for today's IT challenges*

**Brian Sam-Bodden  
and Christopher M. Judd**

*Foreword by Erik Hatcher,  
coauthor of Java Development with Ant*

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# Enterprise Java Development On A Budget Leveraging Java Open Source Technologies

**Alex Soto Bueno, Markus Eisele, Natale  
Vinto**



## **Enterprise Java Development On A Budget Leveraging Java Open Source Technologies:**

*Enterprise Java Development on a Budget* Brian Sam-Bodden, Christopher M Judd, 2008-01-01 Open source has had a profound effect on the Java community Many Java open source projects have even become de facto standards The principal purpose of *Enterprise Java Development on a Budget* is to guide you through the development of a real enterprise Java application using nothing but open source Java tools projects and frameworks This book is organized by activities and by particular open source projects that can help you take on the challenges of building the different tiers of your applications The authors also present a realistic example application that covers most areas of enterprise application development You ll find information on how to use and configure JBoss Ant XDoclet Struts ArgoUML OJB Hibernate JUnit SWT JFace and others Not only will you learn how to use each individual tool but you ll also understand how to use them in synergy to create robust enterprise Java applications within your budget *Enterprise Java Development on a Budget* combines coverage of best practices with information on the right open source Java tools and technologies all of which will help support your Java development budget and goals

**Beginning POJOs** Brian Sam-Bodden, 2006-11-21 *Beginning POJOs* introduces you to open source lightweight web development using Plain Old Java Objects POJOs and the tools and frameworks that enable this Tier by tier this book guides you through the construction of complex but lightweight enterprise Java based web applications Such applications are centered around several major open source lightweight frameworks including Spring Hibernate Tapestry and JBoss including the new lightweight JBoss Seam Additional support comes from the most successful and prevalent open source tools Eclipse and Ant and the increasingly popular TestNG This book is ideal if you re new to open source and lightweight Java You ll learn how to build a complete enterprise Java based web application from scratch and how to integrate the different open source frameworks to achieve this goal You ll also learn techniques for rapidly developing such applications NOTE The source code files to accompany this book are now hosted at <https://github.com/bsbodden/techconf>

**Enterprise Java Development on a Budget** Brian Sam-Bodden, Christopher M. Judd, 2014-01-15 [97 Things Every Project Manager Should Know](#) Barbee Davis, 2009-08-13 If the projects you manage don t go as smoothly as you d like *97 Things Every Project Manager Should Know* offers knowledge that s priceless gained through years of trial and error This illuminating book contains 97 short and extremely practical tips whether you re dealing with software or non IT projects from some of the world s most experienced project managers and software developers You ll learn how these professionals have dealt with everything from managing teams to handling project stakeholders to runaway meetings and more While this book highlights software projects its wise axioms contain project management principles applicable to projects of all types in any industry You can read the book end to end or browse to find topics that are of particular relevance to you *97 Things Every Project Manager Should Know* is both a useful reference and a source of inspiration Among the 97 practical tips *Clever Code Is Hard to Maintain* and *Maintenance Is Everything* David Wood Partner Zepheira *Every Project Manager Is a Contract*

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*Applied AI for Enterprise Java Development* Alex Soto Bueno,Markus Eisele,Natale Vinto,2025-11-07 As a Java enterprise developer or architect you know that embracing AI isn t just optional it s critical to keeping your competitive edge The question is how can you skillfully incorporate these groundbreaking AI technologies into your applications without getting mired in complexity Enter this clear cut no nonsense guide to integrating generative AI into your Java enterprise ecosystem With insights from authors Alex Soto Bueno Markus Eisele and Natale Vinto you ll learn to marry the robustness of Java s enterprise world with the dynamism of AI It s more than just a how to it s a way to elevate enterprise software with savvy AI integrations ensuring your skills and your applications remain on the cutting edge Inside you ll unlock the power to

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**Modernizing Enterprise Java** Markus Eisele,Natale Vinto,2021-10-21 While containers microservices and distributed systems dominate discussions in the tech world the majority of applications in use today still run monolithic architectures that follow traditional development processes This practical book helps developers examine long established Java based models and demonstrates how to bring these monolithic applications successfully into the future Relying on their years of experience modernizing applications authors Markus Eisele and Natale Vinto walk you through the steps necessary to update your organization's Java applications You'll discover how to dismantle your monolithic application and move to an up to date software stack that works across cloud and on premises installations Learn cloud native application basics to understand what parts of your organization's Java based applications and platforms need to migrate and modernize Understand how enterprise Java specifications can help you transition projects and teams Build a cloud native platform that supports effective development without falling into buzzword traps Find a starting point for your migration projects by identifying candidates and staging them through modernization steps Discover how to complement a traditional enterprise Java application with components on top of containers and Kubernetes

**J2EE Open Source Toolkit** John T. Bell,James Lambros,Stan Ng,2003-11-10 The first book that shows how to harness the full power of open source tools to build a free J2EE development platform without using any commercial products Tools covered include Apache Tomcat Struts Jetspeed MySQL Joram and jBoss Shows developers how to integrate all of the most popular open source tools into a single integrated platform Companion Web site provides source code plus a fully working example of the development platform created in the book

*Java Power Tools* John Ferguson Smart,2008-04-22 All true craftsmen need the best tools to do their finest work and programmers are no different Java Power Tools delivers 30 open source tools designed to improve the development practices of Java developers in any size team or organization Each chapter includes a series of short articles about one particular tool whether it's for build systems version control or other aspects of the development process giving you the equivalent of 30 short reference books in one package No matter which development method your team chooses whether it's Agile RUP XP SCRUM or one of many others available Java Power Tools provides practical techniques and tools to help you optimize the process The book discusses key Java development problem areas and best practices and focuses on open source tools that can help increase productivity in each area of the development cycle including Build tools including Ant and Maven 2 Version control tools such as CVS and Subversion the two most prominent open source tools Quality metrics tools that measure different aspects of code quality including CheckStyle PMD FindBugs and Jupiter Technical documentation tools that can help you generate good technical documentation without spending too

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Pro Jakarta EE 10 Peter Späth, 2023-05-31 Welcome to your in depth professional guide to the open source Eclipse Jakarta EE 10 platform This book will help you build more complex native enterprise Java based cloud and other applications that can run in corporate and other mission critical settings The majority of the key Jakarta EE 10 APIs or features are dissected in this book including JSF JSP JPA CDI REST Microprofiles WebSockets and many more Along the way various open source Apache Eclipse and other projects are integrated and used for more complete workflows and treatment in general Jakarta EE 10 comes with a significant number of improvements over Java EE 9 technologies and adopts a series of new technologies This book starts out with a concise development procedure proposal and shows NetBeans as an alternative IDE to Eclipse It also talks about versioning software repositories and continuous integration techniques The web tier of enterprise application architectures is covered including state of the art techniques such as web sockets and front end JavaScript related frameworks The book presents a survey of architecture related advanced topics including micro profiles In a supporting technologies chapter JSON and XML processing methods are revisited and deepened and the usage of scripting engines is introduced A resources chapter discusses enterprise resource integration such as resource adapters and Hibernate as a mapper between the SQL and the Java world Also covered is the usage of no SQL databases A security chapter shows advanced security enhancement techniques for use of Jakarta EE in corporate environments The last chapter talks about advanced logging and monitoring techniques serving both developers and operations staff

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*Advanced Java* Clifford J. Berg, 1998 The first end to end practical guide for building enterprise wide Java applications This title covers all the issues from managing legacy code to building CORBA based distributed applications and beyond The CD ROM contains source code and valuable Java application tools

**Architecting Modern Java EE Applications** Sebastian Daschner,2017-10-09 Find out how to craft effective business oriented Java EE 8 applications that target customer s demands in the age of Cloud platforms and container technology About This Book Understand the principles of modern Java EE and how to realize effective architectures Gain knowledge of how to design enterprise software in the age of automation Continuous Delivery and Cloud platforms Learn about the reasoning and motivations behind state of the art enterprise Java technology that focuses on business Who This Book Is For This book is for experienced Java EE developers who are aspiring to become the architects of enterprise grade applications or software architects who would like to leverage Java EE to create effective blueprints of applications What You Will Learn What enterprise software engineers should focus on Implement applications packages and components in a modern way Design and structure application architectures Discover how to realize technical and cross cutting aspects Get to grips with containers and container orchestration technology Realize zero dependency 12 factor and Cloud native applications Implement automated fast reliable and maintainable software tests Discover distributed system architectures and their requirements In Detail Java EE 8 brings with it a load of features mainly targeting newer architectures such as microservices modernized security APIs and cloud deployments This book will teach you to design and develop modern business oriented applications using Java EE 8 It shows how to structure systems and applications and how design patterns and Domain Driven Design aspects are realized in the age of Java EE 8 You will learn about the concepts and principles behind Java EE applications and how to effect communication persistence technical and cross cutting concerns and asynchronous behavior This book covers Continuous Delivery DevOps infrastructure as code containers container orchestration technologies such as Docker and Kubernetes and why and especially how Java EE fits into this world It also covers the requirements behind containerized zero dependency applications and how modern Java EE application servers support these approaches You will also learn about automated fast and reliable software tests in different test levels scopes and test technologies This book covers the prerequisites and challenges of distributed systems that lead to microservice shared nothing architectures The challenges and solutions of consistency versus scalability will further lead us to event sourcing event driven architectures and the CQRS principle This book also includes the nuts and bolts of application performance as well as how to realize resilience logging monitoring and tracing in a modern enterprise world Last but not least the demands of securing enterprise systems are covered By the end you will understand the ins and outs of Java EE so that you can make critical design decisions that not only live up to but also surpass your clients expectations Style and approach This book focuses on solving business problems and meeting customer demands in the enterprise world It covers how to create enterprise applications with reasonable technology choices free of cargo cult and over engineering The aspects shown in this book not only demonstrate how to realize a certain solution but also explain its motivations and reasoning [Professional Portal Development with Open Source Tools](#) W. Clay Richardson,Donald Avondolio,Joe Vitale,Peter Len,Kevin T. Smith,2004-02-27 What is this book

about Open source technology enables you to build customized enterprise portal frameworks with more flexibility and fewer limitations This book explains the fundamentals of a powerful set of open source tools and shows you how to use them An outstanding team of authors provides a complete tutorial and reference guide to Java Portlet API Lucene James and Slide taking you step by step through constructing and deploying portal applications You trace the anatomy of a search engine and understand the Lucene query syntax set up Apache James configuration for a variety of servers explore object to relational mapping concepts with Jakarta OJB and acquire many other skills necessary to create J2EE portals uniquely suited to the needs of your organization Loaded with code intensive examples of portal applications this book offers you the know how to free your development process from the restrictions of pre packaged solutions What does this book cover Here s what you will learn in this book How to evaluate business requirements and plan the portal How to develop an effective browser environment How to provide a search engine messaging database inquiry and content management services in an integrated portal application How to develop Web services for the portal How to monitor test and administer the portal How to create portlet applications compliant with the Java Portlet API How to reduce the possibility of errors while managing the portal to accommodate change How to plan for the next generation application portal Who is this book for This book is for professional Java developers who have some experience in portal development and want to take advantage of the options offered by open source tools

*Rapid Modernization of Java Applications: Practical Business and Technical Solutions for Upgrading Your Enterprise Portfolio* G. Venkat, 2017-10-06 Implement a High Performance Enterprise Java Application Modernization Strategy Learn cutting edge techniques and processes to systematically and strategically modernize legacy Java applications with predictability consistency and confidence This Oracle Press guide offers an innovative blueprint that empowers corporate management teams to better understand necessary technical requirements and enables Java architects and developers to better align with agile business needs Rapid Modernization of Java Applications Practical Business and Technical Solutions for Upgrading Your Enterprise Portfolio contains modernization approaches that offer end to end Java application portfolio visibility so that application modernization projects can stay on schedule and within budget

**Better, Faster, Lighter Java** Bruce Tate, Justin Gehtland, 2004-05-28 Sometimes the simplest answer is the best Many Enterprise Java developers accustomed to dealing with Java s spiraling complexity have fallen into the habit of choosing overly complicated solutions to problems when simpler options are available Building server applications with heavyweight Java based architectures such as WebLogic JBoss and WebSphere can be costly and cumbersome When you ve reached the point where you spend more time writing code to support your chosen framework than to solve your actual problems it s time to think in terms of simplicity In Better Faster Lighter Java authors Bruce Tate and Justin Gehtland argue that the old heavyweight architectures are unwieldy complicated and contribute to slow and buggy application code As an alternative means for building better applications the authors present two lightweight open source architectures Hibernate a



persistence framework that does its job with a minimal API and gets out of the way and Spring a container that's not invasive heavy or complicated Hibernate and Spring are designed to be fairly simple to learn and use and place reasonable demands on system resources Better Faster Lighter Java shows you how they can help you create enterprise applications that are easier to maintain write and debug and are ultimately much faster Written for intermediate to advanced Java developers Better Faster Lighter Java offers fresh ideas often unorthodox to help you rethink the way you work and techniques and principles you'll use to build simpler applications You'll learn to spend more time on what's important When you're finished with this book you'll find that your Java is better faster and lighter than ever before

### **Building Java Enterprise**

**Applications: Architecture** Brett McLaughlin, 2002 This is the advanced complete and practical guide to building complex Java Enterprise Applications from the ground up and learning design issues along the way Beyond showing how to write the code the book covers what happens when it's time to deploy it on various servers

### **Applied Enterprise JavaBeans**

**Technology** Kevin Boone, 2003 Applied Enterprise JavaBeans Technology shows how to leverage the full power of EJB 2.0 to build industrial strength applications that are distributed transactional and secure Exceptionally comprehensive and accurate this book starts from first principles and progresses to the state of the art revealing normally hidden aspects of the EJB architecture that offer immense power to developers It includes a full scale case study in depth coverage of integration and extensive cross references to the official EJB 2.0 specifications

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